Immunodeficiencies Profile, Acquired

|  |  |  |  |
| --- | --- | --- | --- |
| Marker/Age | % of lymphocytes | Absolute count (cells/cmm) | |
| CD3 |  |  | |
| 0 – 1 month | 53-84 | 1219-9072 | |
| 1 – 3 months | 53-84 | 1378-11172 | |
| 3 – 6 months | 51-77 | 1428-9933 | |
| 6 months-1year | 49-76 | 1372-9804 | |
| 1-2 years | 53-75 | 848-6450 | |
| 2-6 years | 56-75 | 896-6450 | |
| 6-12 years | 60-76 | 660-4636 | |
| 12-18 years | 56-84 | 616-5124 | |
| >18 years | 61-79 | 732-3160 | |
|  |  |  | |
| CD4 |  |  | |
| 0 – 1 month | 35-64 | 805-6912 | |
| 1 – 3 months | 35-64 | 910-8512 | |
| 3 – 6 months | 35-56 | 980-7224 | |
| 6 months-1year | 31-56 | 868-7224 | |
| 1-2 years | 32-51 | 512-4386 | |
| 2-6 years | 28-47 | 448-4042 | |
| 6-12 years | 31-47 | 341-2867 | |
| 12-18 years | 31-52 | 341-3172 | |
| >18 years | 38-54 | 456-2160 | |
|  |  |  | |
| CD8 |  |  | |
| 0 – 1 month | 12-28 | 276-3024 | |
| 1 – 3 months | 12-28 | 312-3724 | |
| 3 – 6 months | 12-23 | 336-2967 | |
| 6 months-1year | 12-24 | 336-3096 | |
| 1-2 years | 14-30 | 224-2580 | |
| 2-6 years | 16-30 | 256-2580 | |
| 6-12 years | 18-35 | 198-2135 | |
| 12-18 years | 18-35 | 198-2135 | |
| >18 years | 14-28 | 168-1120 | |
|  |  |  | |
| CD4:CD8 Ratio |  | |
| 0-6 months | 0.9-3.5 | |
| 6 months-1 year | 0.8-3.4 | |
| 1-2 years | 0.6-3.4 | |
| 2-6 years | 0.7-2.1 | |
| >6 years | 1.2-2.6 | |

Pediatric Reference Ranges from Journal of Allergy and Clinical Immunology, vol. 112, No. 5, 11/2003 and studies performed at Michigan Medicine Flow Cytometry Laboratory. Absolute ranges are calculated utilizing absolute lymphocyte count ranges for the same age groups provided by the hematology laboratory